

Total Weight	Laps	time Min	Coal Lbs	Work Ft/lbs '=Total Weight x Laps x Track constant	Coal BTU = Coal Cal Value x Coal Lbs	HP Input '=Coal BTU x 0.02357 / time	DBHP '=work Ft/lbs x Time x 33000	Efficiency '=DBHP / Coal HP x 100
508	8	20.5	0.468	22758.4	6786	7.802244878	0.034	0.431%
508	7	20.53	0.412	19913.6	5974	6.858605943	0.029	0.429%
612	9	20.22	0.706	30844.8	10237	11.93304105	0.046	0.387%
672.5	6	18.18	0.606	22596	8787	11.39216667	0.038	0.331%
547	9	20.5	0.756	27568.8	10962	12.60362634	0.041	0.323%
711.8	7	21	0.775	27902.56	11237.5	12.61275595	0.040	0.319%
212	8	21.15	0.293	9497.6	4248.5	4.734616785	0.014	0.287%
212	7	27	0.262	8310.4	3799	3.316386296	0.009	0.281%
547	8	21.45	0.787	24505.6	11411.5	12.53934988	0.035	0.276%
588	8	20.75	0.862	26342.4	12499	14.19765928	0.038	0.271%
250	6	19.6	0.312	8400	4524	5.440340816	0.013	0.239%
535	5	21.6	0.562	14980	8149	8.892218981	0.021	0.236%
559.5	5	20.4	0.593	15666	8598.5	9.934639461	0.023	0.234%
245	6	20.1	0.325	8232	4712.5	5.526050995	0.012	0.225%
307	8	20	0.568	13753.6	8236	9.706126	0.021	0.215%
236.6	6	24.95	0.331	7949.76	4799.5	4.534036673	0.010	0.213%
236.6	6	19	0.362	7949.76	5249	6.511522632	0.013	0.195%
371	6	26.8	0.587	12465.6	8511.5	7.485673694	0.014	0.188%
563	4	11	0.606	12611.2	8787	18.82814455	0.035	0.185%
371	4	18.83	0.437	8310.4	6336.5	7.931561604	0.013	0.169%
479	4	11.5	0.568	10729.6	8236	16.88021913	0.028	0.167%
427	4	17.45	0.625	9564.8	9062.5	12.24086676	0.017	0.136%

Coal	BTU/lb	14500
Calorific Value		
Track Constant		5.6
BTU/Min=	HP	0.02357